CONTENTS

No. 1—September

PAGE

MARTIN, K. J. The formation of a platelet adhesive factor by disruption of the creatine phosphokinase molecule (Plates I–III) 1

BARABAS, ARPAD Z., and ROBERT LANNIGAN. An experimental kidney disease in dogs produced by injection of heterologous antisera to dog tubular fraction 3 antigens (Plates IV and V) 17

WHITE, J. C., B. A. ADAM, K. S. LAU, R. W. HORNE and R. M. E. PARKHOUSE. Cryoimmunoglobulin IgG*k* with microtubular ultrastructure associated with pyoderma gangrenosum (Plates VI–XI) 25

MACKAY, E. H., R. S. BROWN and D. PICKERING. Cardiac biopsy in skeletal myopathy: report of a case with myocardial mitochondrial abnormalities (Plates XII–XIV) 35

MOLLAND, ELIZABETH A. Aspirin damage in the rat kidney in the intact animal and after unilateral nephrectomy (Plates XV–XXI) 43

BUTLER, K., and G. P. LEWIS. Biochemical and cellular changes in skin and lymph during Arthus and mixed hypersensitivity reactions in rabbits 49

No. 2—October

WOOLF, N., M. J. DAVIES, MARY J. SHAW and R. J. TRICKEY. Experiences with isoprenaline induced myocardial necrosis in the rat (Plates XXII–XXV) . . 65

UNDERWOOD, J. C. E. An ultrastructural analysis of lymphoreticular cell interaction in primary cultures of human non-lymphoid neoplasms and lymphomas (Plates XXVI–XXX) 75

MORRISON, W. I., and N. G. WRIGHT. Canine leptospirosis: an immunopathologic study of interstitial nephritis due to *leptospira canicola* (Plates XXXI-XXXIII) . 83

EULDERINK, F., and K. A. E. MEIJERS. Pathology of the cervical spine in rheumatoid arthritis: a controlled study of 44 spines (Plates XXXIV–XXXVII) . . . 91

RAO, M. S., and J. K. REDDY. 4-Hydroxyaminoquinoline-1-oxide-induced ultrastructural changes in the guinea-pig exocrine pancreas (Plates XXXVIII–XLIII) . 109

HARRISON, J. D., and J. R. GARRETT. Inflammatory cells in duct-ligated salivary glands of the cat: a histochemical study (Plates XLIV–XLVII) 115

SCOTT, J. W. M., and JOYCE HOY. The cross-sectional area of diaphragmatic muscle fibres in emphysema, measured by an automated image analysis system . . 121

No. 3—November

TROWELL, J. E., and D. B. BREWER. Degranulation of chicken heterophil leucocytes during phagocytosis, studied by phase contrast and interference miscroscopy (Plates XLVIII–LVIII) 129

AXELSEN, R. A. Analgesic-induced renal papillary necrosis in the Gunn rat: the comparative nephrotoxicity of aspirin and phenacetin (Plate LIX) 145

PAGE

MARIANO, M., TAMARA NIKITIN and B. E. MALUCELLI. Immunological and non-immunological phagocytosis by inflammatory macrophages, epithelioid cells and macrophage polykaryons from foreign body granulomata (Plates LX–LXIV) . 151

BALE, PATRICIA M., and R. D. K. REYE. Epignathus, double pituitary and agenesis of corpus callosum (Plates LXV and LXVI) 161

AXELSEN, R. A., and A. F. BURRY. Bilirubin-associated renal papillary necrosis in the homozygous Gunn rat: light- and electron-microscopic observations (Plates (LXVII–LXXV) 165

SCOTT, G. B. D., and I. F. KEYMER. Muscosal herniations in the colons of non-human primates (Plate LXXVI) 177

WIGHT, P. A. L., and W. A. DEWAR. The histopathology of zinc deficiency in ducks (Plates LXVII-LXXXII) 183

No. 4—December

PAPADIMITRIOU, J. M., and S. H. WEE. Selective release of lysosomal enzymes from cell populations containing multinucleate giant cells. 193

GHADIALLY, F. N., R. L. AILSBY and N. K. YONG. Ultrastructure of the haemophilic synovial membrane and electron-probe X-ray analysis of haemosiderin (Plates LXXXIII–LXXXVII) 201

BREWER, D. B., and O. FILIP. The morphometry of the glomerular epithelial cell and its foot processes after the injection of bovine serum albumin or egg albumin (Plates LXXXVIII–XC) 209

MORRISON, W. I., N. G. WRIGHT and H. J. C. CORNWELL. An immunopathologic study of interstitial nephritis associated with experimental canine adenovirus infection (Plates XCI–XCVIII) 221

THOMSON, K. J. and D. R. TURNER. Mesangial cell cytoplasm and glomerular disease (Plates XCIX–CI) 229

GEORGE, C. R. P., A. PARBTANI and J. S. CAMERON. Mouse malaria nephropathy (Plates CII–CIV) 235

CARR, I. P. PRICE and S. WESTBY. The effects of tumour extract on macrophage proliferation in lymph-nodes (Plate CV) 251

BOOKS RECEIVED 255